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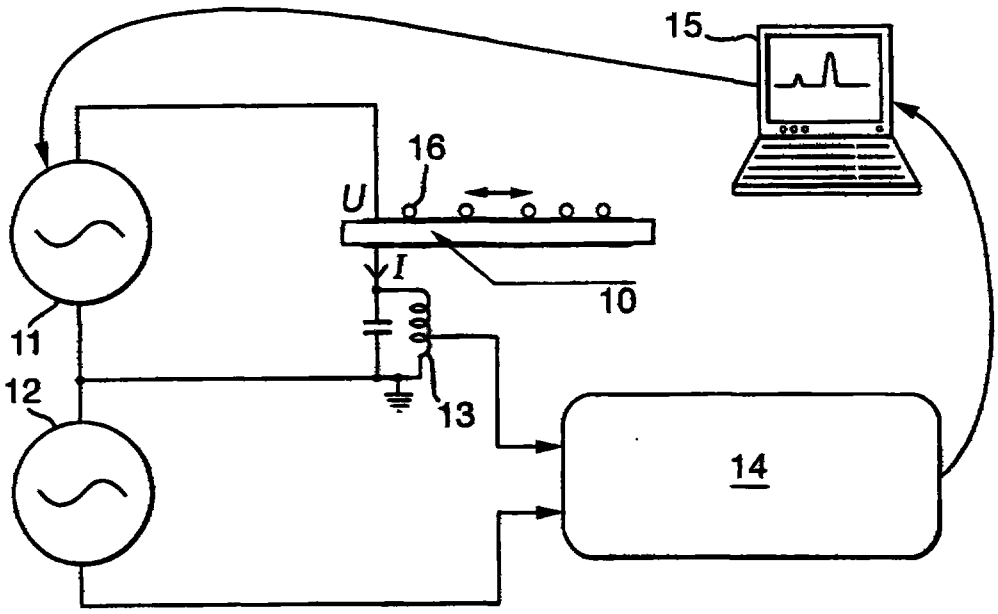
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(54) Title: MEASUREMENT AND USE OF MOLECULAR INTERACTIONS



(57) Abstract: A method for determining the affinity between binding partners, or a property of one of the binding partners dependent on the affinity, comprises the steps of: (i) contacting the binding partners, one of which is immobilised on a surface; (ii) oscillating the surface at increasing amplitude; and (iii) detecting a dissociation event. An analogous method can be used to separate a target analyte from a composition. Apparatus for determining the affinity between binding partners, comprises: a surface (10) having one binding partner (16) immobilised thereon; means for oscillating the surface at increasing amplitude; and means (14, 15) for detecting a dissociation event.

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